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(21) International Application Number: PCT/EP93/02915 (22) International Filing Date: 21 October 1993 (21.10.93) (30) Priority data: 92810837.2 2 November 1992 (02.11.92) EP <i>(34) Countries for which the regional or international application was filed:</i> AT et al. (71) Applicant: SINTETICA S.A. [CH/CH]; CH-6850 Mendrisio (CH). (72) Inventors: SCHNEIDER, Michel ; 34, Route d'Annecy, CH-1256 Troinex (CH). BROCHOT, Jean ; L'Agnellu, Feigères, F-74160 S.-Julien-en-Genevois (FR). PUGINIER, Jérôme ; Place de l'Ancienne Mairie, F-74160 Le Châble-Beaumont (FR). YAN, Feng ; 52, rue de la Prulay, CH-1217 Meyrin (CH).		(74) Agent: BRACCO RESEARCH S.A.; 7, route de Drize, CH-1227 Carouge (CH). (81) Designated States: AU, CA, FI, HU, JP, KR, NO, NZ, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: STABLE MICROBUBBLE SUSPENSIONS AS ENHANCEMENT AGENTS FOR ULTRASOUND ECHOGRAPHY (57) Abstract Disclosed are injectable suspensions of gas filled microbubbles in an aqueous carrier liquid usable as contrast agents in ultrasonic echography. The suspensions comprise amphipathic compounds of which at least one may be a laminarized phospholipid as a stabiliser of the microbubbles against collapse with time and pressure. The concentration of phospholipids in the carrier liquid is below 0.01 % wt but is at least equal to or above that at which phospholipid molecules are present solely at the gas microbubble-liquid interface. Also disclosed is a method of preparation of the stable suspensions of air or gas filled microbubbles.		